

Appl. No. 10/709,712
Amdt. dated April 12, 2006
Reply to Office action of January 30, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims:

Claim 1 (currently amended): A projection apparatus, comprising:

- 5 a housing having a first air inlet and an air outlet, the first air inlet positioned at a bottom surface of the housing, and a space formed between the bottom surface and a surface positioning the projection apparatus, the air outlet positioned at a side surface of the housing;
- 10 a partition installed horizontally inside said housing for separating the housing into a first zone and a second zone, the first air inlet being formed at the first zone and positioned under the partition, the air outlet being formed at the second zone;
- 15 a second air inlet formed between the partition and the housing;
- an optical engine positioned inside the second zone;
- a light source positioned inside the second zone for emitting light into the optical engine to form an image; and
- 20 a fan installed in the second zone for drawing air from the first air inlet and second air inlet into the second zone, the air being exhausted through the air outlet;
- wherein the partition has a periphery, a part of the periphery connected to the bottom surface of the housing and the other part of the periphery forming the second air inlet with the housing.

Claim 2 (canceled)

- 25 Claim 3 (previously presented): The projection apparatus according to claim 1, wherein a guide plate is installed at the exit of said second air inlet to guide the air to elements needed to be cooled.

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Claim 4 (canceled)

Claim 5 (previously presented): The projection apparatus according to claim 1, further comprising an air-guiding duct having one end connected to said air outlet.

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Claim 6 (previously presented): The projection apparatus according to claim 5, wherein the air-guiding duct has a curved air flowing path.

10 Claim 7 (previously presented): The projection apparatus according to claim 6, further comprising a baffle installed inside said air-guiding duct.

Claim 8 (previously presented): The projection apparatus according to claim 1, further comprising a plurality of printing circuit boards forming a duct having one end close to said second air inlet.

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Claim 9 (previously presented): The projection apparatus according to claim 1, further comprising a filter installed at said first air inlet.

20 Claim 10 (currently amended): The projection apparatus according to claim 1, wherein the partition has a another second air inlet positioned close to the light source.

Claim 11 (canceled)